

## Title (en)

PEPTIDE ANTAGONISTS OF ZONULIN AND METHODS FOR USE OF THE SAME

## Title (de)

PEPTIDANTAGONISTEN VON ZONULIN UND METHODEN ZU DEREN VERWENDUNG

## Title (fr)

ANTAGONISTES PEPTIDIQUES DE LA ZONULINE ET TECHNIQUES D'UTILISATION

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## Abstract (en)

[origin: WO0007609A1] Peptide antagonists of zonulin are disclosed, as well as methods for the use of the same. The peptide antagonists bind to the zonula occludens receptor, yet do not physiologically modulate the opening of mammalian tight junctions.

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## IPC 8 full level

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- [X] EP 0557897 A1 19930901 - HOFFMANN LA ROCHE [CH]
- [X] WO 9733909 A2 19970918 - CORIXA CORP [US]
- [PX] WO 9852415 A1 19981126 - UNIV MARYLAND [US]
- [PA] WO 9837096 A1 19980827 - UNIV MARYLAND [US]
- [A] FASANO A ET AL: "Isolation and functional characterization of zonulin, a physiologic modulator of tight junctions.", GASTROENTEROLOGY, vol. 114, no. 4 PART 2, 15 April 1998 (1998-04-15), Digestive Diseases Week and the 99th Annual Meeting of the American Gastroenterological Association; New Orleans, Louisiana, USA; May 16-22, 1998, pages A1141, XP001079947, ISSN: 0016-5085
- [T] WANG WENLE ET AL: "Human zonulin, a potential modulator of intestinal tight junctions.", JOURNAL OF CELL SCIENCE, vol. 113, no. 24, December 2000 (2000-12-01), pages 4435 - 4440, XP002201099, ISSN: 0021-9533
- See also references of WO 0007609A1

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